

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435938

Luminaire Tested: SQ2W-FB-K-050U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435938  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FB-K-050U-075D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

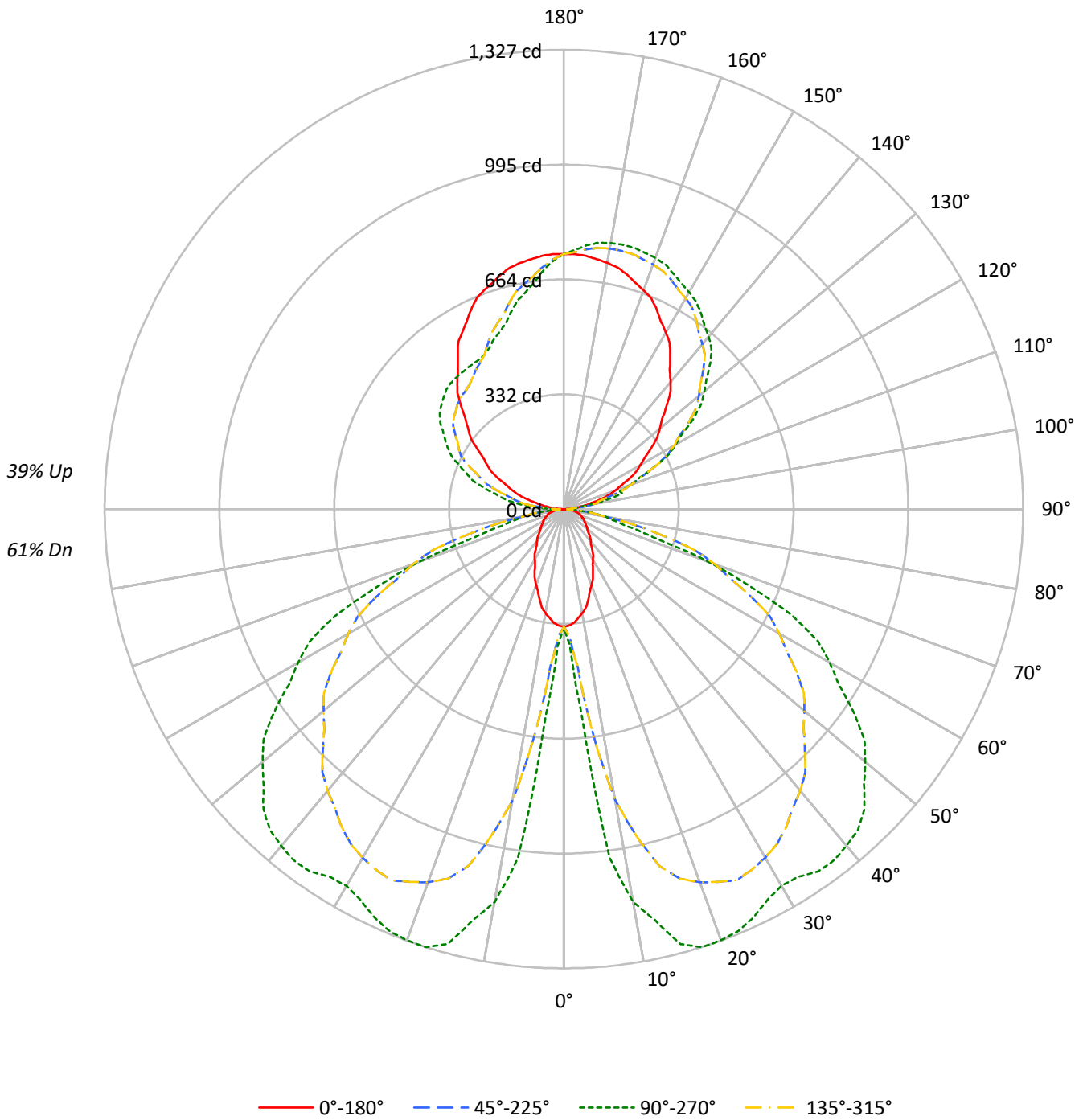
Lumens per Lamp: N/A  
Luminaire Lumens: 5507.7 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 41.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-FB-K-050U-075D-L835-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	100	96	91	88	93	89	86	83	78	76	73	68	66	64	58	57	55	51
2	91	83	76	71	85	78	72	67	68	64	60	59	56	53	51	48	46	42
3	82	72	65	58	77	68	61	55	59	54	50	52	47	44	44	41	38	35
4	75	64	55	49	70	60	52	46	52	46	42	46	41	37	39	36	33	29
5	69	56	48	41	64	53	45	39	46	40	36	40	36	32	35	31	28	25
6	63	50	42	36	59	47	40	34	42	35	31	36	31	27	31	27	24	21
7	58	45	37	31	54	43	35	29	37	31	27	33	28	24	28	24	21	19
8	54	41	33	27	50	38	31	26	34	28	23	30	25	21	26	22	19	16
9	50	37	29	24	47	35	28	23	31	25	21	27	22	19	24	20	17	14
10	47	34	26	21	43	32	25	20	28	23	19	25	20	17	22	18	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5483	5483	5483	5483
5°	5345	9710	5345	9710
10°	5005	18896	5005	18896
15°	4530	21748	4530	21748
20°	4010	22776	4010	22776
25°	3549	23150	3549	23150
30°	3134	23435	3134	23435
35°	2799	25195	2799	25195
40°	2546	26769	2546	26769
45°	2347	28032	2347	28032
50°	2215	28539	2215	28539
55°	2159	28768	2159	28768
60°	2215	28626	2215	28626
65°	2307	27816	2307	27816
70°	2389	21040	2389	21040
75°	2645	11609	2645	11609
80°	2734	10776	2734	10776
85°	2723	4539	2723	4539

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 52.5°  
 Luminance: 29026 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.9	1.0
10°-20°	259.6	4.7
20°-30°	456.8	8.3
30°-40°	591.3	10.7
40°-50°	652.1	11.8
50°-60°	608.6	11.1
60°-70°	470.2	8.5
70°-80°	216.8	3.9
80°-90°	44.5	0.8
90°-100°	58.6	1.1
100°-110°	171.0	3.1
110°-120°	279.0	5.1
120°-130°	354.0	6.4
130°-140°	378.8	6.9
140°-150°	353.8	6.4
150°-160°	291.1	5.3
160°-170°	195.2	3.5
170°-180°	69.3	1.3
0°-30°	773.3	14.0
0°-40°	1364.6	24.8
0°-60°	2625.3	47.7
0°-90°	3356.8	60.9
90°-120°	508.6	9.2
90°-150°	1595.3	29.0
90°-180°	2151.0	39.1
0°-180°	5507.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	340	340	340	340	340	
5°	330	599	330	599	330	31
15°	271	1301	271	1301	271	76
25°	199	1300	199	1300	199	91
35°	142	1278	142	1278	142	89
45°	103	1228	103	1228	103	80
55°	77	1022	77	1022	77	69
65°	60	728	60	728	60	59
75°	42	186	42	186	42	44
85°	15	24	15	24	15	15
90°	2	16	2	32	2	3
95°	23	17	23	100	23	28
105°	109	174	109	240	109	116
115°	208	289	208	356	208	205
125°	308	458	308	436	308	276
135°	419	599	419	483	419	324
145°	535	690	535	493	535	335
155°	636	750	636	512	636	292
165°	702	782	702	589	702	198
175°	734	766	734	691	734	70
180°	737	737	737	737	737	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	337.0	343.3	349.7	356.5	363.5	371.1	379.2	386.1	389.6	393.1	389.6
5°	329.8	351.5	373.3	404.9	439.7	479.2	523.5	561.4	580.3	599.1	580.3
7.5°	317.0	361.3	405.6	499.3	609.6	724.1	842.8	941.3	979.0	1016.7	979.0
10°	305.3	367.0	428.6	587.7	779.3	926.5	1029.6	1111.9	1132.2	1152.6	1132.2
12.5°	292.2	375.9	459.7	656.1	890.0	1043.1	1115.3	1174.8	1195.7	1216.5	1195.7
15°	271.0	390.7	510.4	732.5	988.6	1146.0	1204.8	1254.7	1277.9	1301.1	1277.9
17.5°	249.1	408.5	567.8	794.3	1043.1	1196.7	1254.9	1301.7	1314.3	1326.9	1314.3
20°	233.4	420.6	607.8	834.8	1074.9	1220.0	1270.1	1309.6	1317.6	1325.6	1317.6
22.5°	219.1	428.3	637.6	864.8	1098.0	1233.5	1271.4	1301.9	1310.5	1319.1	1310.5
25°	199.2	435.0	670.8	897.3	1120.8	1244.5	1268.5	1287.9	1293.7	1299.5	1293.7
27.5°	179.9	429.1	678.2	901.9	1117.1	1232.5	1248.2	1261.4	1267.0	1272.7	1267.0
30°	168.1	421.4	674.6	896.3	1107.4	1218.8	1230.4	1241.1	1249.1	1257.0	1249.1
32.5°	157.7	412.1	666.5	885.4	1092.4	1201.5	1212.5	1225.1	1242.4	1259.6	1242.4
35°	142.0	392.3	642.7	859.2	1064.6	1176.0	1193.4	1214.4	1246.3	1278.3	1246.3
37.5°	128.6	367.1	605.5	819.8	1026.2	1147.6	1184.0	1219.0	1249.8	1280.5	1249.8
40°	120.8	349.4	577.9	790.7	998.2	1126.3	1174.9	1217.9	1244.0	1270.1	1244.0
42.5°	113.0	329.3	545.7	756.7	966.0	1099.0	1155.7	1204.8	1230.9	1257.0	1230.9
45°	102.8	297.3	491.7	700.9	914.9	1055.3	1122.1	1178.3	1203.0	1227.7	1203.0
47.5°	93.4	262.3	431.2	641.3	865.0	1012.3	1083.1	1140.7	1158.7	1176.7	1158.7
50°	88.2	239.1	390.0	600.8	831.5	981.7	1051.3	1107.2	1121.7	1136.2	1121.7
52.5°	82.9	216.4	349.9	561.1	798.3	949.6	1015.2	1067.7	1081.1	1094.4	1081.1
55°	76.7	185.6	294.4	503.4	745.7	895.5	952.8	998.7	1010.3	1022.0	1010.3
57.5°	71.2	159.0	246.8	449.2	689.8	834.5	883.4	922.4	931.9	941.3	931.9
60°	68.6	144.7	220.9	415.2	648.8	787.8	832.0	867.6	877.0	886.5	877.0
62.5°	64.6	131.0	197.3	381.2	604.4	736.4	777.2	810.0	818.8	827.7	818.8
65°	60.4	114.1	167.8	333.6	536.7	655.4	689.5	716.5	722.3	728.1	722.3
67.5°	54.5	100.1	145.7	289.9	467.1	566.3	587.5	600.7	589.8	578.9	589.8
70°	50.6	92.7	134.8	263.4	420.8	503.2	510.4	508.1	476.9	445.7	476.9
72.5°	48.0	85.4	122.9	234.2	370.2	430.2	414.2	387.5	328.4	269.4	328.4
75°	42.4	72.9	103.4	187.2	288.8	304.7	235.1	183.2	184.7	186.1	184.7
77.5°	34.6	57.4	80.2	131.7	192.8	204.9	168.0	140.7	142.0	143.3	142.0
80°	29.4	47.5	65.7	86.0	107.0	116.8	115.4	114.5	115.2	115.9	115.2
82.5°	24.2	37.7	51.2	63.3	75.1	81.7	83.1	84.0	83.0	82.0	83.0
85°	14.7	22.7	30.7	35.4	39.0	37.9	32.1	27.4	25.9	24.5	25.9
87.5°	5.7	9.2	12.8	12.4	10.5	9.5	9.5	9.7	9.8	9.8	9.8
90°	2.2	5.2	8.9	11.9	14.1	14.9	14.9	15.6	16.4	16.4	16.4
92.5°	8.2	12.9	13.1	13.1	15.9	17.3	18.5	18.6	19.3	19.3	19.3
95°	23.1	25.3	37.9	37.2	25.3	20.1	17.1	17.1	17.1	17.1	17.1
97.5°	44.1	47.3	49.4	66.2	69.9	67.6	55.1	46.3	41.4	39.1	41.4
100°	62.5	64.0	68.5	69.2	87.8	105.7	96.7	85.6	81.9	79.6	81.9
102.5°	81.0	81.9	88.7	91.8	96.1	106.3	137.2	133.8	131.3	130.8	131.3
105°	108.6	109.4	122.0	128.0	131.0	131.0	130.2	145.1	168.9	174.1	168.9
107.5°	138.3	141.7	156.6	172.5	175.9	176.8	172.9	170.7	169.8	170.4	169.8
110°	158.5	163.7	181.6	201.7	206.9	208.3	206.9	204.6	203.1	203.1	203.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	178.1	185.7	206.0	229.0	237.8	242.3	239.0	237.4	235.9	237.1	235.9
115°	208.3	219.5	246.3	270.1	288.0	290.2	289.5	289.5	288.7	288.7	288.7
117.5°	236.3	254.2	284.2	311.9	332.6	338.6	341.5	340.6	339.8	341.2	339.8
120°	256.0	276.8	311.0	342.3	362.4	371.3	374.3	372.8	374.3	372.8	374.3
122.5°	276.8	302.4	336.0	368.5	392.1	402.3	405.8	406.1	406.4	405.5	406.4
125°	308.1	339.3	378.7	412.2	436.8	448.7	451.7	452.4	453.9	457.6	453.9
127.5°	339.6	375.0	418.3	450.6	475.8	490.2	494.8	496.5	499.6	501.2	499.6
130°	361.6	401.8	445.7	476.2	500.8	516.4	524.6	526.8	530.5	529.8	530.5
132.5°	384.8	426.8	471.3	503.0	525.8	542.6	549.6	556.0	557.3	558.4	557.3
135°	418.9	464.3	509.0	540.2	561.8	578.2	587.1	593.0	596.8	599.0	596.8
137.5°	454.8	502.7	545.6	573.4	595.1	609.3	619.4	625.6	629.5	631.3	629.5
140°	479.2	525.3	567.0	596.0	615.4	629.5	638.4	645.9	650.3	650.3	650.3
142.5°	502.4	548.0	588.4	617.5	634.4	647.4	656.9	662.5	667.6	667.6	667.6
145°	535.0	580.4	617.6	646.6	660.8	672.7	683.1	687.5	690.5	690.5	690.5
147.5°	569.1	609.3	643.2	671.0	682.9	696.9	705.1	708.7	712.4	710.8	712.4
150°	589.3	626.5	659.3	685.3	697.2	710.6	718.8	721.8	725.5	723.3	725.5
152.5°	609.0	644.4	674.2	698.4	708.5	721.9	731.3	734.3	736.8	735.2	736.8
155°	635.5	666.7	694.2	716.6	725.5	738.1	747.1	750.8	753.8	750.0	753.8
157.5°	659.1	686.1	710.0	730.6	740.1	750.9	759.3	763.9	766.9	765.2	766.9
160°	673.4	698.0	719.5	738.9	747.8	757.5	766.4	771.6	774.6	772.4	774.6
162.5°	685.3	707.5	727.9	745.4	753.2	761.7	772.4	777.0	780.0	777.1	780.0
165°	702.4	720.3	738.1	753.0	759.7	766.4	777.6	782.8	785.0	782.0	785.0
167.5°	715.4	729.1	743.5	756.3	761.2	767.8	778.9	783.2	786.1	782.3	786.1
170°	722.5	734.4	747.1	757.5	761.2	767.2	778.3	782.0	784.3	780.6	784.3
172.5°	728.5	737.4	747.7	756.9	758.8	763.6	774.2	777.9	779.5	776.4	779.5
175°	734.4	739.6	747.1	753.0	752.3	755.3	764.2	767.2	770.1	765.7	770.1
177.5°	737.3	739.6	742.0	745.6	743.2	743.2	749.8	751.5	752.1	749.8	752.1
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	386.1	379.2	371.1	363.5	356.5	349.7	343.3	337.0	343.3	349.7	356.5
5°	561.4	523.5	479.2	439.7	404.9	373.3	351.5	329.8	351.5	373.3	404.9
7.5°	941.3	842.8	724.1	609.6	499.3	405.6	361.3	317.0	361.3	405.6	499.3
10°	1111.9	1029.6	926.5	779.3	587.7	428.6	367.0	305.3	367.0	428.6	587.7
12.5°	1174.8	1115.3	1043.1	890.0	656.1	459.7	375.9	292.2	375.9	459.7	656.1
15°	1254.7	1204.8	1146.0	988.6	732.5	510.4	390.7	271.0	390.7	510.4	732.5
17.5°	1301.7	1254.9	1196.7	1043.1	794.3	567.8	408.5	249.1	408.5	567.8	794.3
20°	1309.6	1270.1	1220.0	1074.9	834.8	607.8	420.6	233.4	420.6	607.8	834.8
22.5°	1301.9	1271.4	1233.5	1098.0	864.8	637.6	428.3	219.1	428.3	637.6	864.8
25°	1287.9	1268.5	1244.5	1120.8	897.3	670.8	435.0	199.2	435.0	670.8	897.3
27.5°	1261.4	1248.2	1232.5	1117.1	901.9	678.2	429.1	179.9	429.1	678.2	901.9
30°	1241.1	1230.4	1218.8	1107.4	896.3	674.6	421.4	168.1	421.4	674.6	896.3
32.5°	1225.1	1212.5	1201.5	1092.4	885.4	666.5	412.1	157.7	412.1	666.5	885.4
35°	1214.4	1193.4	1176.0	1064.6	859.2	642.7	392.3	142.0	392.3	642.7	859.2
37.5°	1219.0	1184.0	1147.6	1026.2	819.8	605.5	367.1	128.6	367.1	605.5	819.8
40°	1217.9	1174.9	1126.3	998.2	790.7	577.9	349.4	120.8	349.4	577.9	790.7
42.5°	1204.8	1155.7	1099.0	966.0	756.7	545.7	329.3	113.0	329.3	545.7	756.7
45°	1178.3	1122.1	1055.3	914.9	700.9	491.7	297.3	102.8	297.3	491.7	700.9
47.5°	1140.7	1083.1	1012.3	865.0	641.3	431.2	262.3	93.4	262.3	431.2	641.3
50°	1107.2	1051.3	981.7	831.5	600.8	390.0	239.1	88.2	239.1	390.0	600.8
52.5°	1067.7	1015.2	949.6	798.3	561.1	349.9	216.4	82.9	216.4	349.9	561.1
55°	998.7	952.8	895.5	745.7	503.4	294.4	185.6	76.7	185.6	294.4	503.4
57.5°	922.4	883.4	834.5	689.8	449.2	246.8	159.0	71.2	159.0	246.8	449.2
60°	867.6	832.0	787.8	648.8	415.2	220.9	144.7	68.6	144.7	220.9	415.2
62.5°	810.0	777.2	736.4	604.4	381.2	197.3	131.0	64.6	131.0	197.3	381.2
65°	716.5	689.5	655.4	536.7	333.6	167.8	114.1	60.4	114.1	167.8	333.6
67.5°	600.7	587.5	566.3	467.1	289.9	145.7	100.1	54.5	100.1	145.7	289.9
70°	508.1	510.4	503.2	420.8	263.4	134.8	92.7	50.6	92.7	134.8	263.4
72.5°	387.5	414.2	430.2	370.2	234.2	122.9	85.4	48.0	85.4	122.9	234.2
75°	183.2	235.1	304.7	288.8	187.2	103.4	72.9	42.4	72.9	103.4	187.2
77.5°	140.7	168.0	204.9	192.8	131.7	80.2	57.4	34.6	57.4	80.2	131.7
80°	114.5	115.4	116.8	107.0	86.0	65.7	47.5	29.4	47.5	65.7	86.0
82.5°	84.0	83.1	81.7	75.1	63.3	51.2	37.7	24.2	37.7	51.2	63.3
85°	27.4	32.1	37.9	39.0	35.4	30.7	22.7	14.7	22.7	30.7	35.4
87.5°	9.7	9.5	9.5	10.5	12.4	12.8	9.2	5.7	9.2	12.7	12.7
90°	15.6	14.9	14.9	14.1	11.9	8.9	5.2	2.2	5.2	8.2	13.4
92.5°	18.6	18.5	17.3	15.9	13.1	13.1	12.9	8.2	14.1	20.1	28.9
95°	17.1	17.1	20.1	25.3	37.2	37.9	25.3	23.1	32.7	46.1	58.0
97.5°	46.3	55.1	67.6	69.9	66.2	49.4	47.3	44.1	60.0	73.2	92.4
100°	85.6	96.7	105.7	87.8	69.2	68.5	64.0	62.5	79.6	92.3	110.9
102.5°	133.8	137.2	106.3	96.1	91.8	88.7	81.9	81.0	98.1	115.5	131.1
105°	145.1	130.2	131.0	131.0	128.0	122.0	109.4	108.6	128.0	148.1	167.4
107.5°	170.7	172.9	176.8	175.9	172.5	156.6	141.7	138.3	155.7	179.8	201.1
110°	204.6	206.9	208.3	206.9	201.7	181.6	163.7	158.5	174.1	199.4	222.5



TEST NUMBER: P1435938

CATALOG NUMBER: SQ2W-FB-K-050U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	237.4	239.0	242.3	237.8	229.0	206.0	185.7	178.1	193.8	219.7	243.3
115°	289.5	289.5	290.2	288.0	270.1	246.3	219.5	208.3	221.7	245.6	271.6
117.5°	340.6	341.5	338.6	332.6	311.9	284.2	254.2	236.3	246.9	272.0	298.8
120°	372.8	374.3	371.3	362.4	342.3	311.0	276.8	256.0	264.2	288.7	315.5
122.5°	406.1	405.8	402.3	392.1	368.5	336.0	302.4	276.8	280.2	303.0	329.2
125°	452.4	451.7	448.7	436.8	412.2	378.7	339.3	308.1	303.6	322.9	349.7
127.5°	496.5	494.8	490.2	475.8	450.6	418.3	375.0	339.6	329.6	341.8	366.4
130°	526.8	524.6	516.4	500.8	476.2	445.7	401.8	361.6	347.5	354.9	376.5
132.5°	556.0	549.6	542.6	525.8	503.0	471.3	426.8	384.8	365.4	368.6	385.4
135°	593.0	587.1	578.2	561.8	540.2	509.0	464.3	418.9	392.1	389.2	398.8
137.5°	625.6	619.4	609.3	595.1	573.4	545.6	502.7	454.8	421.0	411.0	414.8
140°	645.9	638.4	629.5	615.4	596.0	567.0	525.3	479.2	441.2	427.1	424.9
142.5°	662.5	656.9	647.4	634.4	617.5	588.4	548.0	502.4	462.1	443.8	438.6
145°	687.5	683.1	672.7	660.8	646.6	617.6	580.4	535.0	494.8	471.0	459.9
147.5°	708.7	705.1	696.9	682.9	671.0	643.2	609.3	569.1	527.9	498.4	484.0
150°	721.8	718.8	710.6	697.2	685.3	659.3	626.5	589.3	549.9	518.6	500.0
152.5°	734.3	731.3	721.9	708.5	698.4	674.2	644.4	609.0	568.9	537.7	518.5
155°	750.8	747.1	738.1	725.5	716.6	694.2	666.7	635.5	601.2	568.5	546.9
157.5°	763.9	759.3	750.9	740.1	730.6	710.0	686.1	659.1	629.2	598.0	575.9
160°	771.6	766.4	757.5	747.8	738.9	719.5	698.0	673.4	645.9	617.6	593.8
162.5°	777.0	772.4	761.7	753.2	745.4	727.9	707.5	685.3	660.8	636.1	614.0
165°	782.8	777.6	766.4	759.7	753.0	738.1	720.3	702.4	681.6	661.5	643.6
167.5°	783.2	778.9	767.8	761.2	756.3	743.5	729.1	715.4	699.2	683.4	668.5
170°	782.0	778.3	767.2	761.2	757.5	747.1	734.4	722.5	709.9	696.5	684.6
172.5°	777.9	774.2	763.6	758.8	756.9	747.7	737.4	728.5	717.6	707.8	698.3
175°	767.2	764.2	755.3	752.3	753.0	747.1	739.6	734.4	727.7	721.8	716.6
177.5°	751.5	749.8	743.2	743.2	745.6	742.0	739.6	737.3	734.3	732.5	730.7
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1435938

CATALOG NUMBER: SQ2W-FB-K-050U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	363.5	371.1	379.2	386.1	389.6	393.1	389.6	386.1	379.2	371.1	363.5
5°	439.7	479.2	523.5	561.4	580.3	599.1	580.3	561.4	523.5	479.2	439.7
7.5°	609.6	724.1	842.8	941.3	979.0	1016.7	979.0	941.3	842.8	724.1	609.6
10°	779.3	926.5	1029.6	1111.9	1132.2	1152.6	1132.2	1111.9	1029.6	926.5	779.3
12.5°	890.0	1043.1	1115.3	1174.8	1195.7	1216.5	1195.7	1174.8	1115.3	1043.1	890.0
15°	988.6	1146.0	1204.8	1254.7	1277.9	1301.1	1277.9	1254.7	1204.8	1146.0	988.6
17.5°	1043.1	1196.7	1254.9	1301.7	1314.3	1326.9	1314.3	1301.7	1254.9	1196.7	1043.1
20°	1074.9	1220.0	1270.1	1309.6	1317.6	1325.6	1317.6	1309.6	1270.1	1220.0	1074.9
22.5°	1098.0	1233.5	1271.4	1301.9	1310.5	1319.1	1310.5	1301.9	1271.4	1233.5	1098.0
25°	1120.8	1244.5	1268.5	1287.9	1293.7	1299.5	1293.7	1287.9	1268.5	1244.5	1120.8
27.5°	1117.1	1232.5	1248.2	1261.4	1267.0	1272.7	1267.0	1261.4	1248.2	1232.5	1117.1
30°	1107.4	1218.8	1230.4	1241.1	1249.1	1257.0	1249.1	1241.1	1230.4	1218.8	1107.4
32.5°	1092.4	1201.5	1212.5	1225.1	1242.4	1259.6	1242.4	1225.1	1212.5	1201.5	1092.4
35°	1064.6	1176.0	1193.4	1214.4	1246.3	1278.3	1246.3	1214.4	1193.4	1176.0	1064.6
37.5°	1026.2	1147.6	1184.0	1219.0	1249.8	1280.5	1249.8	1219.0	1184.0	1147.6	1026.2
40°	998.2	1126.3	1174.9	1217.9	1244.0	1270.1	1244.0	1217.9	1174.9	1126.3	998.2
42.5°	966.0	1099.0	1155.7	1204.8	1230.9	1257.0	1230.9	1204.8	1155.7	1099.0	966.0
45°	914.9	1055.3	1122.1	1178.3	1203.0	1227.7	1203.0	1178.3	1122.1	1055.3	914.9
47.5°	865.0	1012.3	1083.1	1140.7	1158.7	1176.7	1158.7	1140.7	1083.1	1012.3	865.0
50°	831.5	981.7	1051.3	1107.2	1121.7	1136.2	1121.7	1107.2	1051.3	981.7	831.5
52.5°	798.3	949.6	1015.2	1067.7	1081.1	1094.4	1081.1	1067.7	1015.2	949.6	798.3
55°	745.7	895.5	952.8	998.7	1010.3	1022.0	1010.3	998.7	952.8	895.5	745.7
57.5°	689.8	834.5	883.4	922.4	931.9	941.3	931.9	922.4	883.4	834.5	689.8
60°	648.8	787.8	832.0	867.6	877.0	886.5	877.0	867.6	832.0	787.8	648.8
62.5°	604.4	736.4	777.2	810.0	818.8	827.7	818.8	810.0	777.2	736.4	604.4
65°	536.7	655.4	689.5	716.5	722.3	728.1	722.3	716.5	689.5	655.4	536.7
67.5°	467.1	566.3	587.5	600.7	589.8	578.9	589.8	600.7	587.5	566.3	467.1
70°	420.8	503.2	510.4	508.1	476.9	445.7	476.9	508.1	510.4	503.2	420.8
72.5°	370.2	430.2	414.2	387.5	328.4	269.4	328.4	387.5	414.2	430.2	370.2
75°	288.8	304.7	235.1	183.2	184.7	186.1	184.7	183.2	235.1	304.7	288.8
77.5°	192.8	204.9	168.0	140.7	142.0	143.3	142.0	140.7	168.0	204.9	192.8
80°	107.0	116.8	115.4	114.5	115.2	115.9	115.2	114.5	115.4	116.8	107.0
82.5°	75.1	81.7	83.1	84.0	83.0	82.0	83.0	84.0	83.1	81.7	75.1
85°	39.0	37.9	32.1	27.4	25.9	24.5	25.9	27.4	32.1	37.9	39.0
87.5°	11.1	11.0	12.0	12.6	13.2	12.9	13.2	12.6	12.0	11.0	11.1
90°	17.1	22.3	27.5	30.5	33.5	32.0	33.5	30.5	22.3	17.1	17.1
92.5°	34.4	43.2	49.6	54.9	57.3	57.0	57.3	49.6	43.2	34.4	34.4
95°	69.2	79.6	90.0	97.5	101.9	100.5	101.9	97.5	90.0	79.6	69.2
97.5°	106.7	120.7	132.3	139.3	143.8	146.7	143.8	139.3	132.3	120.7	106.7
100°	131.7	145.1	158.5	166.7	174.1	177.1	174.1	166.7	158.5	145.1	131.7
102.5°	151.9	169.5	184.1	192.9	199.1	202.1	199.1	192.9	184.1	169.5	151.9
105°	185.3	203.9	219.5	230.7	237.4	239.6	237.4	230.7	219.5	203.9	185.3
107.5°	218.6	237.8	252.2	264.6	272.8	277.5	272.8	264.6	252.2	237.8	218.6
110°	244.8	260.4	276.1	287.2	295.4	298.4	295.4	287.2	276.1	260.4	244.8



TEST NUMBER: P1435938

CATALOG NUMBER: SQ2W-FB-K-050U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	266.8	284.2	299.9	311.0	320.4	324.6	320.4	311.0	299.9	284.2	266.8
115°	297.6	320.7	334.8	345.3	352.0	355.7	352.0	345.3	334.8	320.7	297.6
117.5°	323.2	347.3	362.8	370.9	374.0	376.7	374.0	370.9	362.8	347.3	323.2
120°	339.3	361.6	379.5	389.9	393.6	395.1	393.6	389.9	379.5	361.6	339.3
122.5°	354.2	375.3	392.6	405.4	411.5	413.0	411.5	405.4	392.6	375.3	354.2
125°	375.0	395.1	413.0	425.6	432.3	436.0	432.3	425.6	413.0	395.1	375.0
127.5°	393.2	414.9	431.3	442.7	449.3	452.3	449.3	442.7	431.3	414.9	393.2
130°	403.3	425.6	442.0	454.6	460.6	463.6	460.6	454.6	442.0	425.6	403.3
132.5°	411.0	434.6	451.5	463.0	469.5	472.5	469.5	463.0	451.5	434.6	411.0
135°	420.4	445.0	462.8	474.0	479.9	482.9	479.9	474.0	462.8	445.0	420.4
137.5°	428.6	450.9	469.5	481.3	486.6	488.6	486.6	481.3	469.5	450.9	428.6
140°	434.6	453.9	472.5	483.7	489.6	490.4	489.6	483.7	472.5	453.9	434.6
142.5°	442.3	457.5	473.7	484.9	490.8	492.1	490.8	484.9	473.7	457.5	442.3
145°	456.1	465.1	476.2	486.6	491.8	493.3	491.8	486.6	476.2	465.1	456.1
147.5°	473.5	476.4	482.2	489.0	494.1	495.1	494.1	489.0	482.2	476.4	473.5
150°	486.6	485.9	488.1	492.6	497.1	496.3	497.1	492.6	488.1	485.9	486.6
152.5°	501.5	497.2	497.1	499.1	501.2	501.1	501.2	499.1	497.1	497.2	501.5
155°	526.8	518.6	514.2	512.7	512.7	511.9	512.7	512.7	514.2	518.6	526.8
157.5°	554.6	543.2	536.5	532.9	531.9	530.2	531.9	532.9	536.5	543.2	554.6
160°	573.7	561.0	554.4	548.4	546.2	543.9	546.2	548.4	554.4	561.0	573.7
162.5°	591.6	579.5	572.2	566.9	564.6	561.2	564.6	566.9	572.2	579.5	591.6
165°	620.6	607.9	599.7	595.3	592.3	589.3	592.3	595.3	599.7	607.9	620.6
167.5°	649.6	635.8	630.4	625.3	622.5	617.2	622.5	625.3	630.4	635.8	649.6
170°	667.5	654.8	651.8	647.4	642.2	636.2	642.2	647.4	651.8	654.8	667.5
172.5°	682.9	674.4	671.5	667.0	665.4	660.6	665.4	667.0	671.5	674.4	682.9
175°	705.4	698.7	698.7	698.0	695.7	691.3	695.7	698.0	698.7	698.7	705.4
177.5°	724.2	720.6	723.0	723.0	722.4	718.2	722.4	723.0	723.0	720.6	724.2
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1435938

CATALOG NUMBER: SQ2W-FB-K-050U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	339.6	339.6	339.6	339.6
2.5°	356.5	349.7	343.3	337.0
5°	404.9	373.3	351.5	329.8
7.5°	499.3	405.6	361.3	317.0
10°	587.7	428.6	367.0	305.3
12.5°	656.1	459.7	375.9	292.2
15°	732.5	510.4	390.7	271.0
17.5°	794.3	567.8	408.5	249.1
20°	834.8	607.8	420.6	233.4
22.5°	864.8	637.6	428.3	219.1
25°	897.3	670.8	435.0	199.2
27.5°	901.9	678.2	429.1	179.9
30°	896.3	674.6	421.4	168.1
32.5°	885.4	666.5	412.1	157.7
35°	859.2	642.7	392.3	142.0
37.5°	819.8	605.5	367.1	128.6
40°	790.7	577.9	349.4	120.8
42.5°	756.7	545.7	329.3	113.0
45°	700.9	491.7	297.3	102.8
47.5°	641.3	431.2	262.3	93.4
50°	600.8	390.0	239.1	88.2
52.5°	561.1	349.9	216.4	82.9
55°	503.4	294.4	185.6	76.7
57.5°	449.2	246.8	159.0	71.2
60°	415.2	220.9	144.7	68.6
62.5°	381.2	197.3	131.0	64.6
65°	333.6	167.8	114.1	60.4
67.5°	289.9	145.7	100.1	54.5
70°	263.4	134.8	92.7	50.6
72.5°	234.2	122.9	85.4	48.0
75°	187.2	103.4	72.9	42.4
77.5°	131.7	80.2	57.4	34.6
80°	86.0	65.7	47.5	29.4
82.5°	63.3	51.2	37.7	24.2
85°	35.4	30.7	22.7	14.7
87.5°	12.7	12.7	9.2	5.7
90°	13.4	8.2	5.2	2.2
92.5°	28.9	20.1	14.1	8.2
95°	58.0	46.1	32.7	23.1
97.5°	92.4	73.2	60.0	44.1
100°	110.9	92.3	79.6	62.5
102.5°	131.1	115.5	98.1	81.0
105°	167.4	148.1	128.0	108.6
107.5°	201.1	179.8	155.7	138.3
110°	222.5	199.4	174.1	158.5



TEST NUMBER: P1435938

CATALOG NUMBER: SQ2W-FB-K-050U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	243.3	219.7	193.8	178.1
115°	271.6	245.6	221.7	208.3
117.5°	298.8	272.0	246.9	236.3
120°	315.5	288.7	264.2	256.0
122.5°	329.2	303.0	280.2	276.8
125°	349.7	322.9	303.6	308.1
127.5°	366.4	341.8	329.6	339.6
130°	376.5	354.9	347.5	361.6
132.5°	385.4	368.6	365.4	384.8
135°	398.8	389.2	392.1	418.9
137.5°	414.8	411.0	421.0	454.8
140°	424.9	427.1	441.2	479.2
142.5°	438.6	443.8	462.1	502.4
145°	459.9	471.0	494.8	535.0
147.5°	484.0	498.4	527.9	569.1
150°	500.0	518.6	549.9	589.3
152.5°	518.5	537.7	568.9	609.0
155°	546.9	568.5	601.2	635.5
157.5°	575.9	598.0	629.2	659.1
160°	593.8	617.6	645.9	673.4
162.5°	614.0	636.1	660.8	685.3
165°	643.6	661.5	681.6	702.4
167.5°	668.5	683.4	699.2	715.4
170°	684.6	696.5	709.9	722.5
172.5°	698.3	707.8	717.6	728.5
175°	716.6	721.8	727.7	734.4
177.5°	730.7	732.5	734.3	737.3
180°	736.7	736.7	736.7	736.7



TEST NUMBER: P1435938  
 CATALOG NUMBER: SQ2W-FB-K-050U-075D-L835-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.03	14.03	13.88	14.91	16.01	22.63	23.63	23.48	24.51	25.61
	3H	13.98	14.88	14.84	15.77	16.90	24.24	25.14	25.11	26.03	27.16
	4H	14.38	15.24	15.26	16.13	17.27	24.43	25.28	25.31	26.17	27.31
	6H	14.65	15.43	15.54	16.33	17.49	24.51	25.30	25.40	26.20	27.35
	8H	14.74	15.49	15.64	16.41	17.56	24.53	25.28	25.43	26.20	27.35
	12H	14.80	15.51	15.70	16.42	17.60	24.51	25.23	25.42	26.14	27.32
4H	2H	17.77	18.62	18.65	19.51	20.65	23.01	23.86	23.89	24.75	25.89
	3H	18.91	19.62	19.81	20.55	21.70	24.91	25.62	25.81	26.55	27.70
	4H	19.20	19.85	20.11	20.77	21.95	25.14	25.79	26.05	26.71	27.89
	6H	19.34	19.90	20.27	20.85	22.03	25.28	25.84	26.20	26.78	27.97
	8H	19.39	19.91	20.31	20.85	22.04	25.33	25.85	26.25	26.79	27.99
	12H	19.39	19.86	20.34	20.82	22.02	25.32	25.79	26.26	26.74	27.95
8H	4H	20.40	20.92	21.33	21.86	23.06	25.24	25.76	26.17	26.70	27.90
	6H	20.67	21.10	21.62	22.08	23.28	25.45	25.88	26.40	26.86	28.05
	8H	20.77	21.15	21.73	22.12	23.33	25.54	25.92	26.50	26.89	28.10
	12H	20.82	21.15	21.78	22.12	23.38	25.55	25.89	26.52	26.85	28.11
12H	4H	20.43	20.90	21.38	21.86	23.06	25.20	25.67	26.15	26.63	27.83
	6H	20.78	21.16	21.74	22.13	23.34	25.43	25.81	26.39	26.78	28.00
	8H	20.92	21.26	21.89	22.22	23.48	25.54	25.87	26.51	26.84	28.10